**Goal 9 Day 10**

Special Cases

Review perfect squares

1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225, 256, ect.

Also things like

**Perfect Square Binomials**

We will work through perfect square binomials just like any other trinomial. We will just adjust how we write our answer.

Ex. +9

1 9

3 3

EX. **36**   **144**

**Difference of 2 Perfect Squares**

Look for four things to occur

1. 2 terms

2. 1st term is a perfect square

3. 2nd term is a perfect square

4. Minus sign between the two terms

Ex.

Perfect square

Perfect square

If it is a difference of 2 perfect squares

Find the square root of the first term and it will be the first term of each binomial, square root of the second term will be the second tem in each binomial. The binomials will have different sign inside them.

Minus Sign between

Ex.

Ex. First we look for a GCF

Now look to determine if

it is a Difference of 2 Perfect Squares

Ex. Ex.